

US EPA ARCHIVE DOCUMENT



EPA STAR Black Carbon Kick-off

*Bryan Bloomer, Ph.D.
Director, Applied Science Division
National Center for Environmental Research*





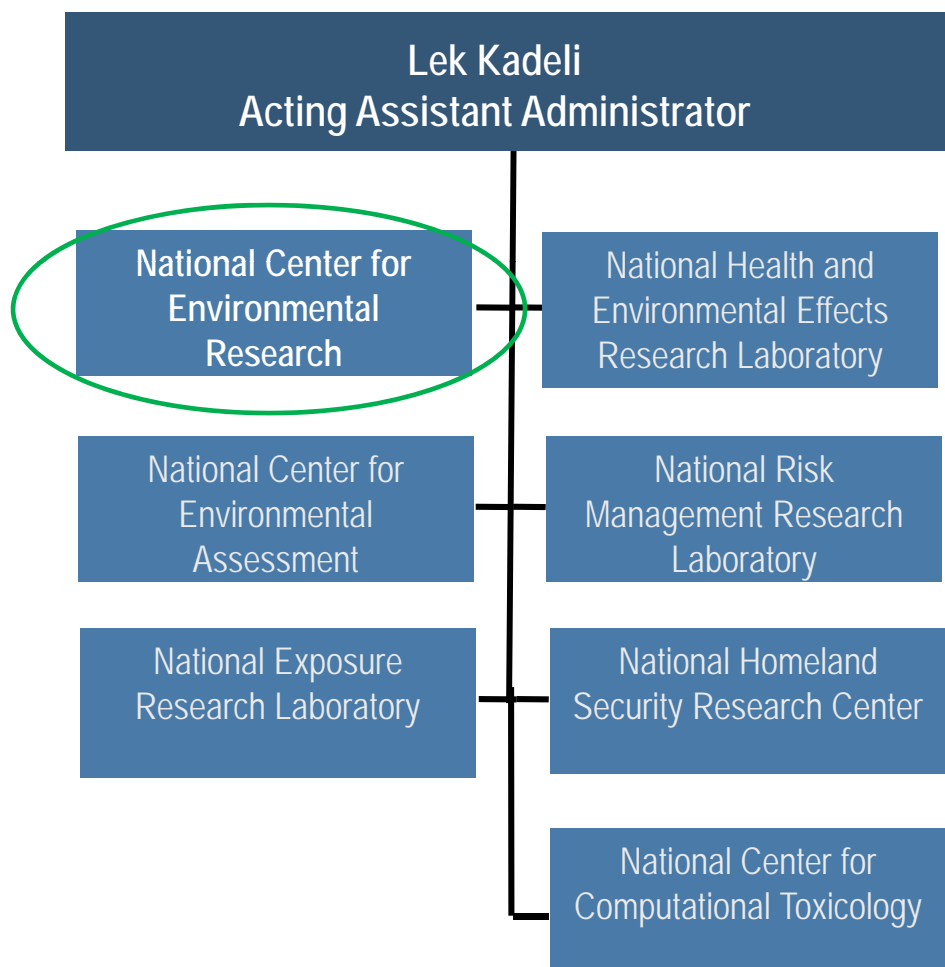
Welcome to EPA! Welcome to RTP!

- Home of
 - Office of Air Quality Planning and Standards
 - Most of EPA's air research





ORD Labs and Centers





National Center for Environmental Research (NCER): Accelerating Transformational Research



ORD's principal extramural grant program
STAR Grants – Science To Achieve Results

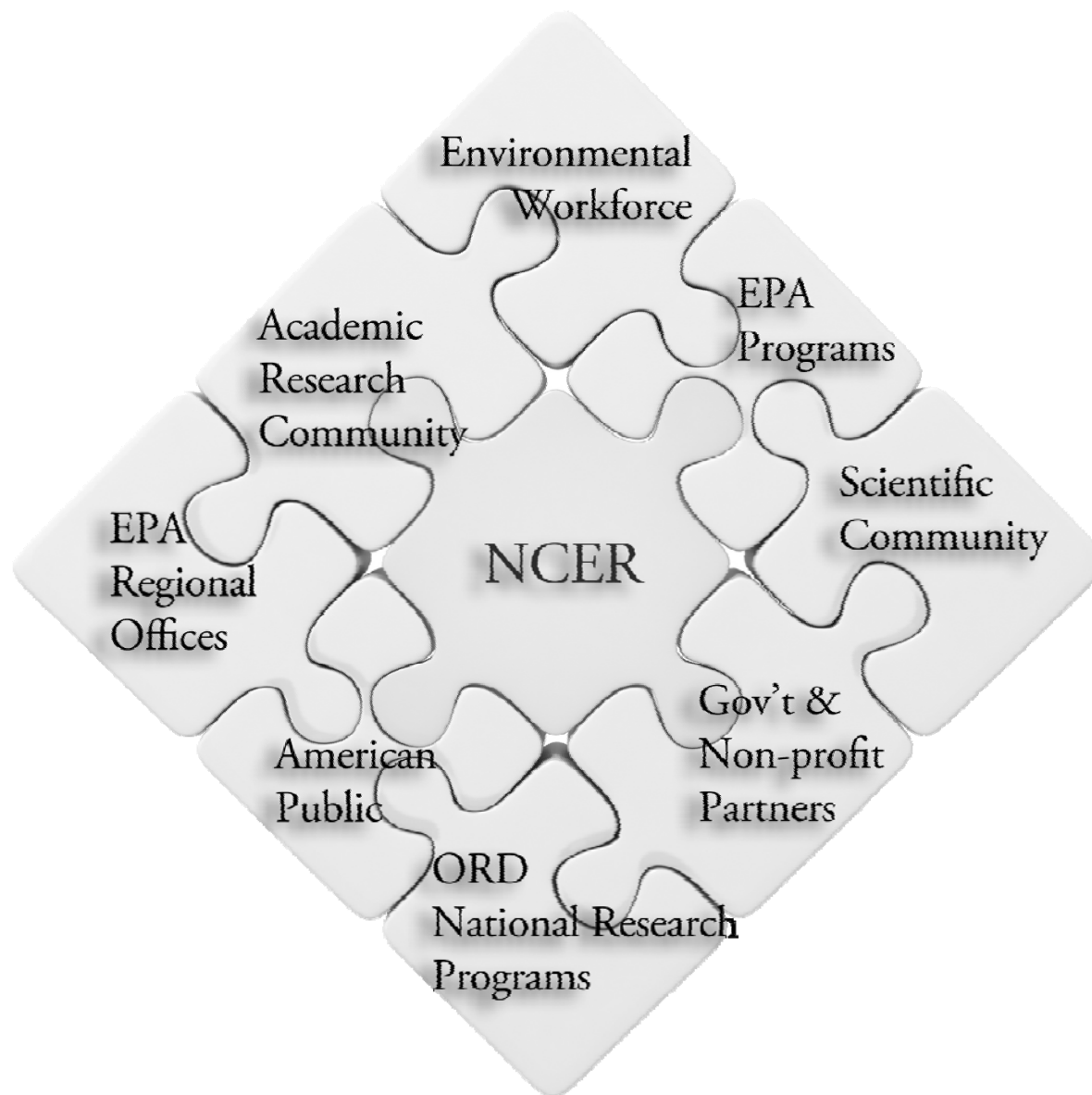
NCER/STAR research is policy-relevant,
collaborative, transformational, multidisciplinary

Student fellowships, SBIR, P3 student teams





Engaging Customers & Partners





National Research Programs



Homeland Security
Air, Climate & Energy
Safe & Sustainable Water Resource
Sustainable & Healthy Communities
Human Health Risk Assessment
Chemical Safety for Sustainability



ACE – NCER/STAR Contributions

Approaches

Assess Impacts
Prevent and Reduce Emissions
Respond to Changes in Climate and Air Quality

Issues

- NAAQS & Multipollutant
- Modeling/Decision Support Tools
 - Energy & Biomass
- Emissions & Measurements
- Air Quality-Climate Interactions
- Climate Mitigation/Adaptation Strategies
- Sustainable Solutions

Research Portfolio

- Multi-pollutant health effect
- Near-Roadway Air pollution
- Global Change and Air Quality
- Black Carbon
- Air Quality and Water Impacts of Extreme Events
- Air Pollution Sources and Measurements
- Accountability
- Cardiovascular, respiratory and other health impacts



Outcomes/Outputs

- Scientific support for policy
- Expertise on new science topics
- Measureable and sustainable improvements in air quality within a changing world





Why black carbon?

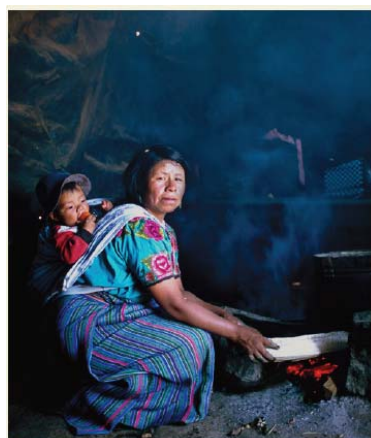
Sources



Transport & Processing



Impacts





About this solicitation:

Black carbon's role in global- to local-scale climate and air quality

- Major topics in solicitation
 - Emissions inventories
 - Modeling
 - Long-range transport
 - Metrics
- Open May-September 2010
- Projects began summer/fall 2011



What we hope to get out of this kick-off

- What we can expect to come out of this project in the next few years
- Exchange of ideas regarding policy-relevant research needs



Thank you!

